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|  |  | 1. Inventoried TWS components per TM |
|  |  | 1. Check the housing of the TWS for cracks, dents and dirt |
|  |  | 1. Ensure the eyecup and lens cap are present with no damage |
|  |  | 1. Inspect the control pad for cracks, dry rot and dirt |
|  |  | 1. Ensure objective focus ring turn smoothly to the end of travel |
|  |  | 1. Ensure that that the I/O port cap and lanyard are present, remove the cap and inspect for broken pins inside of the I/O port |
|  |  | 1. Inspect lenses for cracks, scratches and dirt, (if objective is damaged, do not ingest or inhale the crystals). |
|  |  | 1. Remove battery cassette from TWS and inspect for broken battery cassette and for corrosion on the cassette and inside of the battery compartment. Also inspect the spare battery cassette. |
|  |  | 1. Install batteries into battery cassette. Alignment tabs. |
|  |  | 1. Remove carrying handle and mount appropriate bracket if applicable. |
|  |  | 1. Loosen the torque limiting knob on the rail grabber |
|  |  | 1. Place TWS on M16A2/A4 or M4 |
|  |  | 1. Place the TWS rail grabber completely on the picatinny rail. |
|  |  | 1. Mount the TWS to the weapon. Tighten down the torque limiting knob, two clicks while applying forward pressure. |
|  |  | 1. Turn TWS on. Wait for the start up period to end. Ensures there are no failures |
|  |  | 1. Select correct weapon reticle |
|  |  | 1. Adjusts the brightness of the screen to the individuals eye |
|  |  | 1. Select RET POL WHT/BLK |
|  |  | 1. Uncover the objective lens |
|  |  | 1. Adjust the objective focus ring to acquire a clear picture |
|  |  | 1. Perform a shuttered calibration |
|  |  | 1. Adjust Manual Gain |
|  |  | 1. Turn Auto gain on |
|  |  | 1. Select POL, users option WHT HOT/ BLK HOT |
|  |  | 1. Switch field of view |
|  |  | 1. Make any other needed optimization adjustments |
|  |  | 1. Instructor inspects the TWS for optimization. |
|  |  | 1. Place in Clip on configuration |
|  |  | 1. Put Remote key pad on weapon and connect |
|  |  | 1. Optimize TWS in Clip on mode |
|  |  | 1. 27. Instructor inspects the TWS for optimization. |
|  |  | 1. Turn TWS off and close lens cover. |
|  |  | 1. Loosen the torque-limiting knob. |
|  |  | 1. Remove the TWS from weapon |
|  |  | 1. Tighten torque limiting knob |
|  |  | 1. Remove battery cassette. |
|  |  | 1. Place full battery cassette into the storage container |
|  |  | 1. Place the TWS, properly, into the carrying case |